



Student Name: \_\_\_\_\_ Date: \_\_\_\_\_

### Side by Side

1	1	2	2	2	2	3
3	4	6	$\sqrt{2}$	$\sqrt{2}$	$\sqrt{2}$	$2\sqrt{2}$
	$\sqrt{3}$	$\sqrt{3}$	$2\sqrt{3}$	$2\sqrt{3}$	$2\sqrt{3}$	

Use the numbers above to write side lengths of the special right triangles. Each number above will be used only once.

45° - 45° - 90° Triangle	30° - 60° - 90° Triangle
Leg: <u>1</u> Leg: _____ Hypotenuse: _____	Short Leg: _____    Long Leg: _____ Hypotenuse: <u>2</u>
Leg: _____    Leg: _____ Hypotenuse: <u><math>3\sqrt{2}</math></u>	Short Leg: _____    Long Leg: <u>3</u> Hypotenuse: _____
Leg: _____    Leg: _____ Hypotenuse: _____	Short Leg: _____    Long Leg: _____ Hypotenuse: <u><math>4\sqrt{3}</math></u>
Leg: _____    Leg: _____ Hypotenuse: _____	Short Leg: _____    Long Leg: _____ Hypotenuse: _____

### Communicating About Mathematics

Describe the strategy you used to find the side length when given the hypotenuse.




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